Remote Control Setup

Chapter 10

Setting Up Your Remote Control
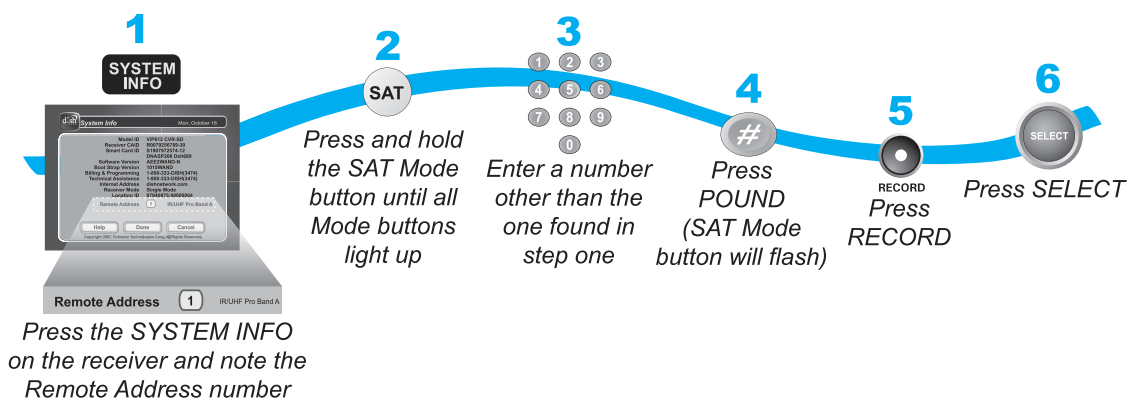
What you'll find in this chapter:

- **IMPROVING RECEIVER CONTROL**

- **OPERATING OTHER DEVICES**

- **THE RECOVER BUTTON**

- **SENDING DISCRETE POWER ON AND OFF**

10

IMPROVING RECEIVER CONTROL

These instructions help you improve your remote control settings to best operate your satellite receiver.
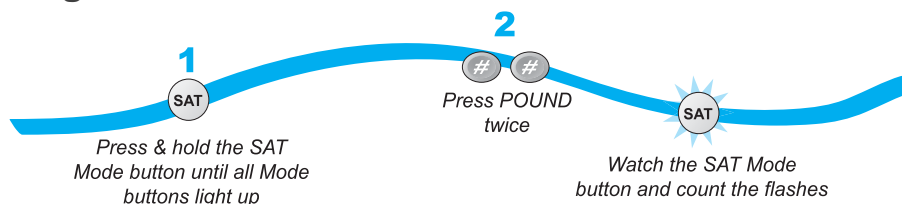
Changing the Remote Control Address

Because UHF signals travel long distances and go through walls, a neighbor's remote may control your receiver by mistake. To prevent this, you can change the remote address.
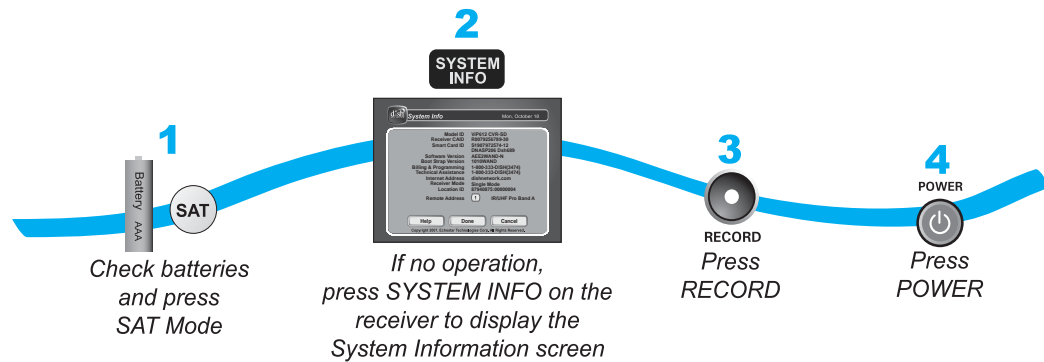
1 Press the SYSTEM INFO on the receiver and note the Remote Address number

2 Press and hold the SAT Mode button until all Mode buttons light up

3 Enter a number other than the one found in step one

4 Press POUND (SAT Mode button will flash)

5 Press RECORD

6 Press SELECT

1 Press SYSTEM INFO on the receiver's front panel. The System Information screen displays on the TV and shows the Remote Address.
Write down the Remote Address: _____

2 Press and hold SAT on your remote control for about three seconds, until all of the mode buttons light up, and then release SAT.

3 Use the NUMBER PAD to enter any number between 1 and 16, but not the one you wrote in step 1.

4 Press POUND (#). If you entered the address correctly, SAT will flash three times.
Write down the number you entered: _____

5 Press RECORD. Make sure the Remote Address you see on the System Information screen is the same as the one you entered in step 3. If it isn't, the remote cannot control the receiver.

6 Press SELECT to close the System Information screen.

Checking the Remote Control Address

1 Press & hold the SAT Mode button until all Mode buttons light up

2 Press POUND twice

Watch the SAT Mode button and count the flashes

1 Press and hold the SAT mode button for three seconds, until all of the mode buttons light up, and then let go of the SAT button.

2 Press POUND (#) twice. The SAT mode button will flash the same number of times as the address number (for example, three flashes means address 3).
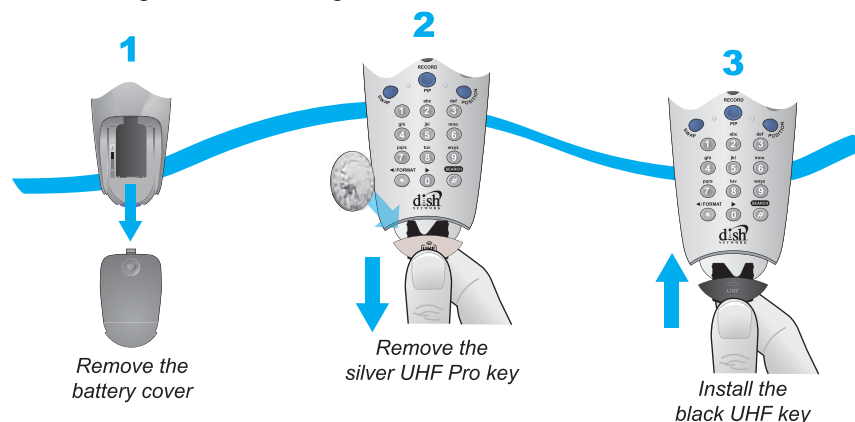
Confirming Remote Control Operation

Check batteries and press SAT Mode

If no operation, press SYSTEM INFO on the receiver to display the System Information screen

Press RECORD

Press POWER

1 Make sure the remote has fresh batteries and is in SAT mode.

2 Press SYSTEM INFO on the receiver front panel to display the system information screen.

3 Press RECORD on the remote control:

- The Remote Address in the system information screen changes to match the address preset in your remote control.

4 Press POWER on the remote control to turn on/off receiver.

Changing the Remote Control from UHF Pro to IR

Your receiver accepts both UHF and IR (Infrared) commands. The remote control only outputs UHF Pro signals but can be changed to transmit IR commands by switching the key at the bottom. This is also useful for programming an after-market universal learning remote control to operate your receiver. Note that when the remote control is in IR mode, you will need to use it from the same room to operate the receiver because IR signals do not travel through walls or over great distances.

Remove the battery cover

Remove the silver UHF Pro key

Install the black UHF key

10

Adjusting the Remote Antenna

Be sure to set the remote control antenna on the back of the receiver straight up to improve its operation. The remote control antenna should be angled away so the tip is separated from the electronics by a couple of inches, if possible.

⚠️ If your UHF Pro Remote Control isn't working very well from far away, you may be experiencing interference from objects near your receiver. To improve your remote control's range, try the following steps:

– Place the receiver higher than all of the other equipment in your entertainment center.

– Provide room above the receiver so that the antenna can be installed straight up.

– Move the remote control antenna away from the back of the entertainment center wiring and other electronics using a short piece of coaxial cable (3 to 5 feet).

– Try moving the receiver to another location in the entertainment center.

– Connect an F-connector attenuator (between 6dB and 15dB) between the **REMOTE ANTENNA** port and the remote control antenna, which may improve performance in certain circumstances. This solution works best when the remote control is being used within 75 feet of the receiver.

Changing the UHF Frequency Using the A/B Switch

Your remote has a switch to change the UHF frequency that your remote control uses. It comes preset to the A position but you can change the setting to the B position to lessen the likelihood of any other UHF remote interfering with yours.

1 Remove the battery cover from the remote control.

2 Use a small screw driver or a paper clip to carefully change the setting.

3 Put the battery cover back on the remote control.

4 Press the SYS INFO button on the front panel to open the **System Information** screen.

5 Press RECORD on the remote control.

6 Make sure the Remote Address field on the **System Information** screen shows the band that matches how you set the switch:

• Switch position A: **IR/UHF Pro Band A**

• Switch Position B: **IR/UHF Pro Band B**

Installing a UHF Attenuator

Unwanted UHF signals may interfere with signals from the remote control to the receiver. To prevent such interference, you can install an F-connector attenuator between 6dB and 15dB. Attenuators are available from many consumer electronics parts stores. Adding this attenuator will help reduce interference from other devices, but it also cuts down how far away you can use the remote control.

1   Remove the remote control antenna from the **REMOTE ANTENNA** input on the receiver back panel.

Example of Receiver Back Panel

REMOTE ANTENNA

UHF Remote Antenna

2   Attach an attenuator (between 6dB and 15dB) to the **REMOTE ANTENNA** input.

Example of Receiver Back Panel

REMOTE ANTENNA

10 dB Attenuator

3   Attach the remote control antenna to the attenuator.

Example of Receiver Back Panel

10 dB Attenuator

REMOTE ANTENNA

UHF Remote Antenna

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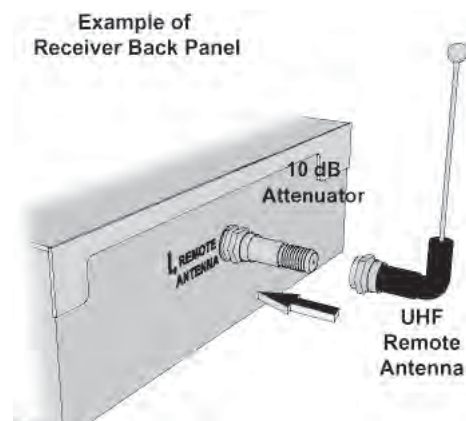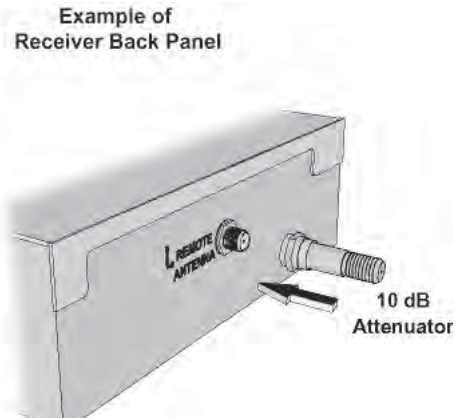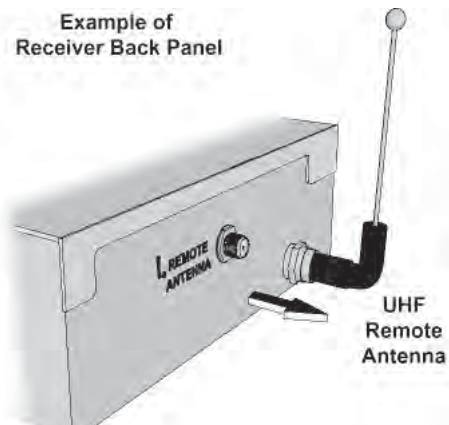
OPERATING OTHER DEVICES

To use the remote control to operate other devices (such as a TV, VCR, DVD player, tuner, amplifier, or DISH Network satellite receiver), you must first program it to operate these other devices. You can do this by either following the instructions in *Setting Up Using Device Code Tables* on page 67, or the *Setting Up Using Device Codes Scan* procedure described on page 68.

Remote Control Modes

Use the remote control's mode buttons, SAT (satellite receiver), TV (for a TV), VCR (for a VCR or a DVD player), and AUX ("auxiliary," for a second TV, a VCR, a tuner, an audio amplifier, or a second DISH Network satellite receiver) to set the remote to the correct mode for the device. To change the mode, press the button for the device you want the remote to operate. The mode button lights for two seconds to show you've set the remote to that mode.

Limited Mode

You can program your remote control in Limited Mode to keep from accidentally changing the channel on your TV or VCR and causing a snowy or blue screen. When the remote control is in Limited Mode for TV mode, you will only be able to use POWER, MUTE, and VOLUME functions for your TV. When the remote control is in Limited Mode for VCR mode, you will only be able to use POWER and the VCR functions for your VCR.

Note: Limited Mode is not used with amplifiers.
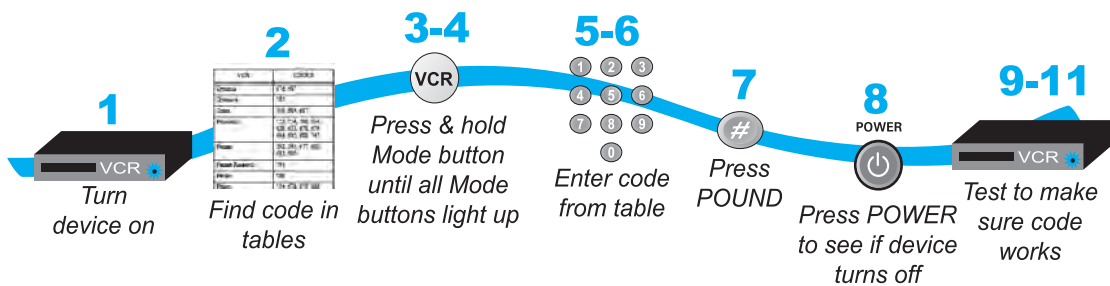
Turning Limited Mode On and Off

1 Press and hold the correct mode button (for example, TV) until all of the mode buttons light. Release the mode button.

2 Press:

- PAGE UP to turn Limited Mode on.
- PAGE DOWN to turn Limited Mode off.

3 Press POUND (#).

Combination Devices

If you are programming the remote to operate a combination device, such as a TV/VCR or a TV/DVD, program the remote control in one mode, and then repeat the procedure in the other mode. For example, to program the remote to control a TV/VCR using code 748, follow the instructions to program the remote to control the TV using code 748, and then repeat the instructions for the VCR using the same code.

Setting Up Using Device Code Tables

Set up the remote to control other devices using the device codes listed on page 112. In the instructions below, the column on the left contains the instructions and the column on the right provides additional information.

1 Turn device on

2 Find code in tables

3-4 Press & hold Mode button until all Mode buttons light up

5-6 Enter code from table

7 Press POUND

8 Press POWER to see if device turns off

9-11 Test to make sure code works

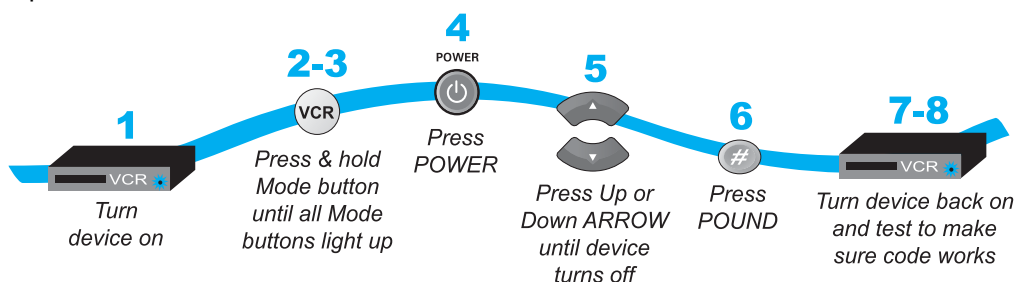| Instructions	Additional Information
1 Turn the device on.	Use the device's front panel buttons or its remote control.
2 Find the brand name of the device in the tables starting on page 112.	If the brand isn't listed, see *Setting Up Using Device Codes Scan* on page 68.
3 Press and hold the mode button until all the other mode buttons light up, and then let go of the button. The mode button flashes.	For example, hold TV for a TV until all of the other mode buttons light. When you let go, TV will flash.
4 *For* AUX *mode only.* Press 0 for a TV, or 1 for a VCR, or 2 for a tuner, or amplifier.	If you're not programming in AUX mode, skip to step 5.
5 Enter one of the three-digit device codes from the table using the number buttons.	The three-digit device code should be for the brand name of your device that you found in step 2.
6 If you want to program Limited Mode, press 1. If not, skip to step 7.	See *Limited Mode* for more information.
7 Press POUND (#).	If you entered the code correctly, the mode button flashes three times.
8 Press POWER to turn off the device. If the device does not turn off, go to step 10.	If the code works, the device should turn off.
9 Turn the device back on and try some other buttons to make sure they work. If the code works for other buttons, stop here.	Sometimes POWER works when other buttons don't. If in Limited Mode, try VOLUME or MUTE.

10

Instructions	Additional Information
10 If the code doesn't work, repeat steps 3 through 9 with the next device code from the tables.	Try every code listed for your brand until one works for your device.
11 If you can't find a code that works try, *Setting Up Using Device Codes Scan* that follows.	

Setting Up Using Device Codes Scan

If the code for your device is not listed in the tables starting on page 112, use this procedure to scan the remote control's memory for the device code. In the instructions below, the column on the left contains the instructions and the column on the right provides additional information.
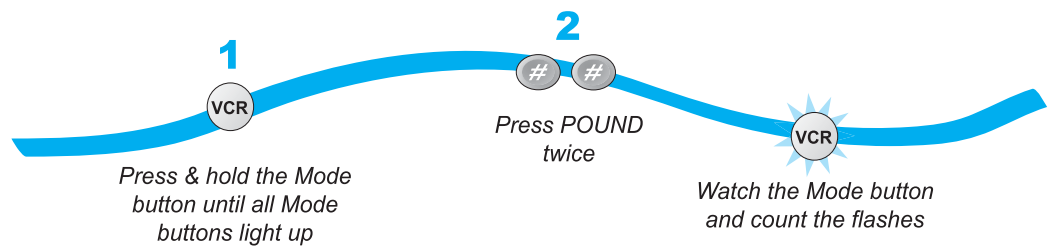

1 Turn device on

2-3 VCR — Press & hold Mode button until all Mode buttons light up

4 POWER — Press POWER

5 Press Up or Down ARROW until device turns off

6 # — Press POUND

7-8 VCR — Turn device back on and test to make sure code works

Instructions	Additional Information
1 Turn the device on.	Use the device's front panel buttons or its remote control.
2 Press and hold the mode button until all the other mode buttons light up, and then let go of the button. The mode button flashes.	For example, hold TV for a TV until all of the other mode buttons light. When you let go, TV will flash.
3 *For* AUX *mode only.* Press 0 for a TV, or 1 for a VCR, or 2 for a tuner, or amplifier. Then press the STAR (*) button.	This step is for programming which kind of device that should be programmed in AUX mode. If you're not programming in AUX mode, skip to step 4.
4 Press POWER.	This puts your remote in the scan mode.

Instructions	Additional Information
5 Press the UP or DOWN ARROW repeatedly until the device turns off.	As you press the UP or DOWN ARROW, the remote tries each code in the memory to see if it can turn off your device. When the device turns off, you have found a code that might work. **Note**: The mode button for the device will flash rapidly eight times when you've scanned all the codes for that device.
6 Press POUND (#).	The mode button flashes three times if you have entered the code correctly. This stores the code you found.
7 Turn the device back on and try some other buttons to make sure they work.	Try some other buttons to make sure they work. Sometimes POWER works when other buttons don't. If using Limited Mode, try VOLUME or MUTE.
8 If necessary, repeat this procedure until you've tried all the codes.	You may need to repeat the scan to find the best code for your device.

Checking the Device Codes

You can find out what device code you've set for each remote control mode (TV, VCR, and AUX).

1 Press & hold the Mode button until all Mode buttons light up

2 Press POUND twice

Watch the Mode button and count the flashes

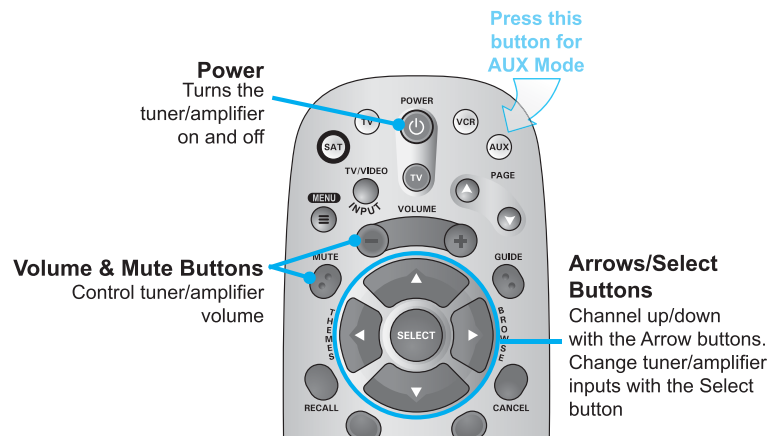| Instructions	Additional Information
1 Press and hold the appropriate mode button until all the other mode buttons light up, and then let go of the button. The mode button flashes.	For example, hold TV for a TV until all of the other mode buttons light. When you let go, TV will flash.

10

Instructions	Additional Information
2 Press the POUND (#) button twice. Watch the mode light to determine your code. The mode button flashes the number for each digit of the device code, with a pause between the groups of flashes. A quick flash is for zero.	For example, if the code is 570, the mode button flashes five times, pauses, flashes seven times, pauses, and flashes once quickly.
For AUX mode: The first group of flashes tells you what the AUX mode controls. A quick flash (zero) before the three-digit code is for a TV; one regular flash is for a VCR; and two flashes is for a tuner, or amplifier.	For example, if the TV code is 570, the AUX mode button flashes once quickly (indicating 0 for TV), pauses, flashes five times, pauses, flashes seven times, pauses, and flashes once quickly.
For a satellite receiver programmed in AUX mode: The AUX mode button will flash the same number of times as the address number.	For example, if the receiver address is 3, the AUX mode button flashes three times.
For Limited Mode: If you have programmed a TV or VCR in Limited Mode, the mode button flashes once at the end of the flash sequence.	For example, if the TV code is 570, the AUX mode button flashes once quickly (indicating 0 for TV), pauses, flashes five times, pauses, flashes seven times, pauses, flashes once quickly, and then flashes once (indicting Limited Mode).

Controlling a Tuner or Amplifier

Use the following remote control buttons to control a tuner or amplifier. When the remote control is set up as described on pages 66 and 71, press the AUX mode button to set the remote to AUX mode. The AUX mode button will stay lit for two seconds to show you've set the remote to AUX mode. Make sure to keep the remote in AUX mode to use the following buttons.

To use the features described in this section, make sure youi are in AUX mode by pressing the AUX Mode button.

Press this button for AUX Mode

Power
Turns the tuner/amplifier on and off

Volume & Mute Buttons
Control tuner/amplifier volume

Arrows/Select Buttons
Channel up/down with the Arrow buttons. Change tuner/amplifier inputs with the Select button
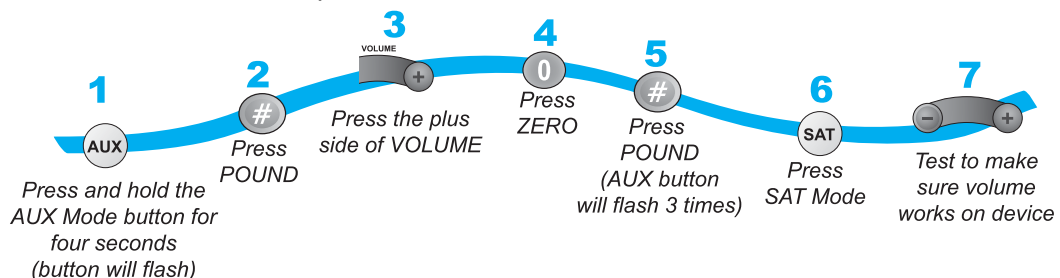
Switching Between TV and Tuner/Amplifier Volume Control

When the remote control is setup to operate your TV, the VOLUME and MUTE buttons will adjust your TV volume. To use the remote to adjust the volume of a remote-controllable audio receiver or amplifier instead of adjusting the TV's volume, use the steps *To Use a Tuner or Amplifier's Volume Control*, below. To switch back to control the TV's volume, use the steps *To Use the TV's Volume Control*.

To Use a Tuner or Amplifier's Volume Control

Note: You must first program the tuner or amplifier into the AUX mode of the remote control to use these steps.

1 Press and hold the AUX Mode button for four seconds (button will flash)

2 Press POUND

3 Press the plus side of VOLUME

4 Press ZERO

5 Press POUND (AUX button will flash 3 times)

6 Press SAT Mode

7 Test to make sure volume works on device

1 Press and hold the AUX button until all the mode buttons are lit, then let it go.

2 Press the POUND (#) button.

3 Press the PLUS side of the VOLUME button.

4 Press 0.

5 Press POUND (#). The AUX button flashes three times.

To confirm the VOLUME buttons are operating the tuner/amplifier's volume control, press SAT and then try adjusting the volume. Your tuner/amplifier's volume should change rather than your TV's volume.

To Use the TV's Volume Control

1 — Press and hold the TV Mode button for four seconds (button will flash)

2 — Press POUND

3 — VOLUME — Press the plus side of VOLUME

4 — Press ZERO

5 — Press POUND (TV button will flash 3 times)

6 — SAT — Press SAT Mode

7 — Test to make sure volume works on device
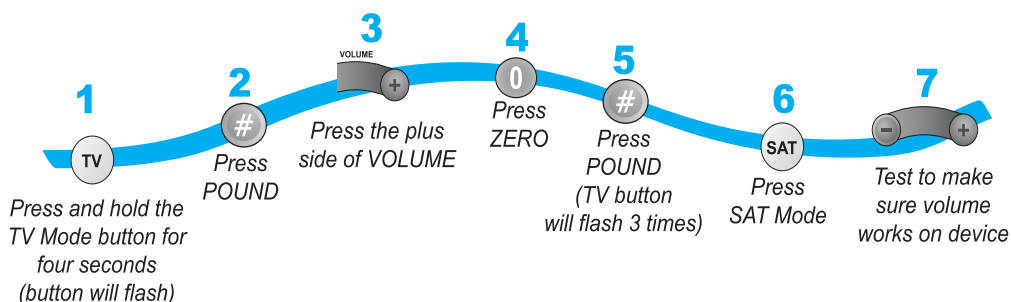
1 Press and hold the TV button until all the mode buttons are lit, then let it go.

2 Press the POUND (#) button.

3 Press the PLUS side of the VOLUME button.

4 Press 0.

5 Press POUND (#). The TV button flashes three times.
To confirm the VOLUME buttons are operating the TV's volume control, press SAT and then try adjusting the volume. The TV's volume should change.
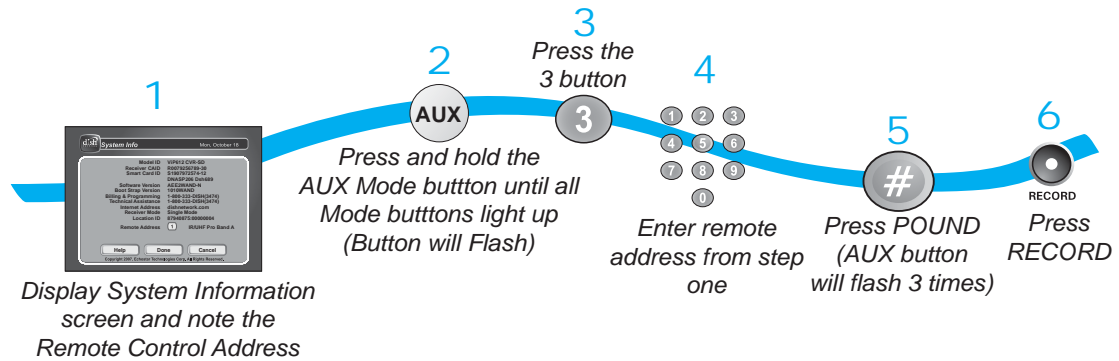
Programming to Control a Second Satellite Receiver

If you have a second DISH Network satellite receiver installed, you can use this remote in AUX mode to operate your other receiver in addition to operating this receiver. When you program the remote to operate the other receiver, the remote sends out IR and UHF (not UHF Pro) signals to the receiver. You can program the remote to operate any other DISH Network satellite receiver, except for following:

- DISH 322, ViP222, ViP622 DVR, ViP722 DVR, DISH Player-DVR 522, 625 and 942
- DishPlayer 7100/7200

1

*Display System Information
screen and note the
Remote Control Address*

2

AUX

*Press and hold the
AUX Mode buttton until all
Mode butttons light up
(Button will Flash)*

3

*Press the
3 button*

4

*Enter remote
address from step
one*

5

#

*Press POUND
(AUX button
will flash 3 times)*

6

RECORD

*Press
RECORD*

1 Turn on the other receiver and display the System Info screen as described in that user's guide.

Write down the remote control address: _____

2 Press and hold AUX until all the other mode buttons light up, and then let go of the button. AUX flashes.

3 Press the 3 button.

4 Use the NUMBER PAD to enter the address you wrote in step 1.

5 Press POUND (#). AUX blinks three times.

6 Press RECORD to ensure the address in the remote matches the address on the receiver.

THE RECOVER BUTTON

Use RECOVER if you accidentally change the TV channel or video input and have a snowy, blue, or black screen on your TV. When you press RECOVER as described below, the remote control sends commands to your TV to change channels or video inputs to get back to watching satellite programming. This procedure works only if you have accidentally changed the TV channel or video input. It does not recover lost satellite signal (see *Troubleshooting Tables* on page 100 for information on solving problems).

Note: The remote control must be programmed to operate the TV (and VCR, if applicable) for RECOVER to work as described. RECOVER will first try to tune your TV to channel 3, then channel 4, and then other video inputs with each press of RECOVER. You may need to press RECOVER multiple times to recover your satellite TV video.
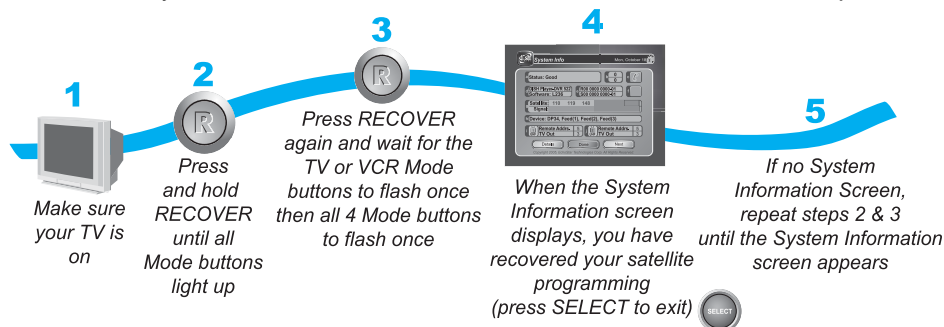
Using the Recover Button

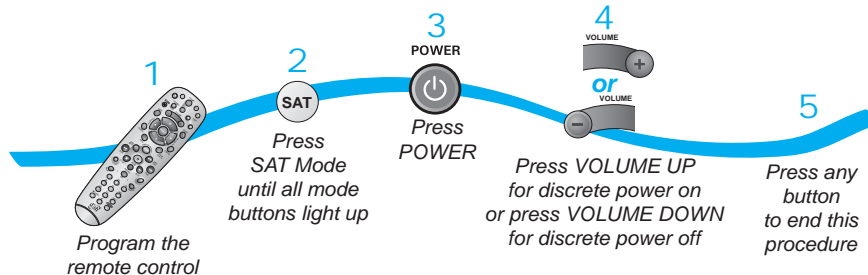To use RECOVER, the remote control must be programmed to operate the TV and, if installed, the VCR.

10

Note: Press any remote control button other than RECOVER to end this procedure.

1

Make sure your TV is on

2

Press and hold RECOVER until all Mode buttons light up

3

Press RECOVER again and wait for the TV or VCR Mode buttons to flash once then all 4 Mode buttons to flash once

4

When the System Information screen displays, you have recovered your satellite programming (press SELECT to exit)

5

If no System Information Screen, repeat steps 2 & 3 until the System Information screen appears

SENDING DISCRETE POWER ON AND OFF

Discrete power ON and power OFF IR commands are used when programming macro commands into universal remotes. Using an ON-only or OFF-only command is more effective than a toggle ON/OFF command when trying to make sure the satellite receiver is reliably in one state or the other. To send a discrete power ON or OFF command, use the following steps:

1

Program the remote control

2

SAT

Press SAT Mode until all mode buttons light up

3

POWER

Press POWER

4

VOLUME +

or

VOLUME −

Press VOLUME UP for discrete power on or press VOLUME DOWN for discrete power off

5

Press any button to end this procedure

QUESTIONS

- **My remote doesn't control my receiver or other components. What should I do?**
    – Put the remote control is in the correct mode (page 66).
    – Check the batteries (page 13).
    – Check the remote control address (pages 62 and 69).
    – Check or adjust the UHF antenna (page 13 and 62).

- **Why does my receiver change channels or display menus at random?** Your neighbor may have their remote control set on the same address. Change the address on your remote control and receiver as described on page 62. If that doesn't help, you may have to install a UHF attenuator as described on page 65.